Applicant or Patentee: CHAI, et al. Attorney Docket NO.: UCF-273 For: LUTETIM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (31 CFR 1.9(f) and le27(b))-SMALL BUSINESS CONCERN

I HEREBY DECLARE THAT I AM THE OWNER OF THE SMALL BUSINESS CONCERN IDENTIFIED BELOW; _X_ AN OFFICIAL OF THE SMALL BUSINESS CONCERN EMPOWERED TO act on behalf of the concern identified below Crystal Photonics, Inc. NAME OF CONCERN:

ADDRESS OF CONCERN:

2729 N. Financial Court, Sanford, Florida 32773

I hereby declare that the above identified small business concern qualities as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons for purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a fulltime part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third-party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled the small business concern identified above with regard to the invention, entitled: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR by Chai, et al. DESCRIBED IN _X_ THE SPECIFICATION FILED HEREWITH. APPLICATION SERIAL NO. 0 / _ FILED. PATENT NO. . ISSUED If the rights held by the above identified small business concorn are not exclusive, each individual, concern or organization having rights in the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(c). INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37CFR 1.28(b)). I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Caroline C. Chai TITLE OF PERSON OTHER THAN OWNER: Treasurer ADDRESS OF PERSON SIGNING: 2729 N. Financial Court, Sanford, Florida 32773

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DECLARATION AND POWER OF ATTURNEY

Attorney Docket No. UCF-237

P.002

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention emitted: : LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR the specification of which is filed herewith.

I hereby state that I have read and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's conflicate listed below and have also identified below any foreign application for patent or inventor's cartificate having a filing date before that of the application on which priority is claimed:

NONE

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PT International filing date of this application: Provisional Patent Serial Number 60/120,500 filed February 18, 1999.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

BRIAN S. STEINBERGER Registration Number 36,423

I do not know and do not believe that this invention was ever known or used in the United States before my invention thereof or putented or described in any printed publication in any country before my invention thereof, or more than one year prior to this application, or in public use or on sale in the United States more than one year prior to this application, that this invention has not been patented or made the subject of an involutor's certificate issued before the date of this application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

The Patent and Trademark Office is requested to direct all mail and telephone calls to:

BRIAN S. STEINBERGER 101 BREVARD AVE COCOA, FL 32922

TELEPHONE:

(321) 633-5080

FACSIMILE NO.

(321) 633-9327

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false matements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Inventor: BRUCE H.T.CAA1 UNITED STATES OF AMERICA Citizouship: 2615 WEST/MINSTER TERRACE Residence and Post off OVIEDO, FZORIDA 32765 Signature: Name of Inventor: YANGYANG JI P. R. CHINA Citizenship: Residence and Post office address: 12018 PASTEUR DR. #402 ORLANDO, FLORIDA 32826

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Offic

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APRIL 27, 2000

PTAS

BRIAN S. STEINBERGER, ESQ. 101 BREWARD AVE COCOA, FL 32922



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/17/2000

REEL/FRAME: 010571/0554

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JI, YANGYANG

DOC DATE: 02/09/2000

ASSIGNEE:

CRYSTAL PHOTONICS, INC. 2729 N. FINANCIAL COURT SANFORD, FLORIDA 32773

SERIAL NUMBER: 09506160

PATENT NUMBER:

FILING DATE: 02/17/2000

ISSUE DATE:

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SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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To the Honorable Commissioner of

03-02-2000



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ed original documents or copy thereof.

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I. NAME OF CONVEYING PARTY(IES):	2. NAME AND ADDRESS OF RECEIVE	NG PARTY(IES).
YANGYANG JI	CRYSTAL PHOTONICS, Inc. 2729 N. FINANCIAL COURT SANFORD, FLORIDA 32773	506.8.
Additional name(s) of conveying party(ies) attached? Yes X No	Additional name(s) and address(e attached? Yes X	
3. NATURE OF CONVEYANCE:		
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 Name and address of party to whom correspondence concerning document should be mailed: 	 Total number of applications and patents involved: _one_ Total Fee (37 CFR 3.41) \$40.00 	
Brian S. Steinberger, Esq. 101 Brevard Ave		
Cocoa, FL 32922	_X_ Enclosed Authorized to be charged to accou	int
8. Account No		•
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STATEMENT AND SIGNATURE: To the best of attached copy is a true copy of the original document	my knowledge and belief, the foregoing info	mation is true and correct and any
BRIAN S.		1 1
STEINBERGER	-2/	17/60
(Name of person signing) Signature	I I	ate

Total number of pages including cover sheet, attachments, and document: _TWO_

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40.00

ASSIGNMENT

As a below named inventor of an invention or improvement entitled: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR specification of which is filed herewith, and for which we have executed an application for Letters Patent of the United States f American on even date herewith; and WHEREAS, CRYSTAL PHOTONICS, INC., a Florida corporation organized and existing under the laws of the State f Florida, having its principal office and place f business in the City of Sanford, State of Florida, is desirous f btaining the entire right, title and interest in, to and under the said invention and the said application in the United States f America and in any and all countries foreign thereto:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said CRYSTAL PHOTONICS, INC., its successor, legal representatives, and assigns, my entire right, title, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the Unites States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the Unites States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said CRYSTAL PHOTONICS, INC., its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby further covenant and agree that I/we will communicate to said CRYSTAL PHOTONICS, INC., its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said CRYSTAL PHOTONICS, INC., its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

02/09/00

Date

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ASSIGNMENT PG I OF I

RECORDATION FORM COVER SHEET PATENTS ONLY

	ents and Trademarks: Please record the attached original documents or copy thereof.				
. NAME OF CONVEYING PARTY(I	ES): 2. NAME AND ADDRESS OF RECEIVING PARTY(IES).				
YANGYANG JI	CRYSTAL PHOTONICS, Inc. 2729 N. FINANCIAL COURT SANFORD, FLORIDA 32773				
Additional name(s) of conveying party(ies) Additional name(s) and address(es) attached? Yes X No attached? Yes X No					
B. NATURE OF CONVEYANCE:	·				
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	SECURITY				
	AGREEMENT				
	MERGER CHANGE OF NAME				
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EXECUTION DAT	TE:				
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4. IF THIS DOCUMENT IS BEING I APPLICATION IS:	FILED TOGETHER WITH A NEW APPLICATION, THE EXECUTION DATE OF THE				
APPLICATION IS: A. Patent Application No.(s)	2/9/00 2/17/00 B. Patent No.(s)				
APPLICATION IS: A. Patent Application No.(s)	2/9/00 12/17/00				
APPLICATION IS: A. Patent Application No.(s) A. Name and address of party to whom correspondence concerning docum	B. Patent No.(s) Additional numbers attached? Yes No Total number of applications and patents				
APPLICATION IS: A. Patent Application No.(s) b. Name and address of party to whome correspondence concerning documes should be mailed:	B. Patent No.(s) Additional numbers attached? Yes No Total number of applications and patents				
APPLICATION IS: A. Patent Application No.(s) 5. Name and address of party to whome correspondence concerning docume should be mailed: Brian S. Steinberger, Esq.	B. Patent No.(s) Additional numbers attached? Total number of applications and patents involved: _one_ 7. Total Fee (37 CFR 3.41) \$40.00				
APPLICATION IS: A. Patent Application No.(s) A. Name and address of party to whome correspondence concerning documes should be mailed: Brian S. Steinberger, Esq. 101 Brevard Ave	B. Patent No.(s) Additional numbers attached? Total number of applications and patents involved: _one_ 7. Total Fee (37 CFR 3.41) \$40.00 _X_ Enclosed				
APPLICATION IS: A. Patent Application No.(s) A. Name and address of party to whome correspondence concerning documes should be mailed: Brian S. Steinberger, Esq.	B. Patent No.(s) Additional numbers attached? Total number of applications and patents involved: _one_ 7. Total Fee (37 CFR 3.41) \$40.00				
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APPLICATION IS: A. Patent Application No.(s) 5. Name and address of party to whore correspondence concerning docume should be mailed: Brian S. Steinberger, Esq. 101 Brevard Ave Cocoa, FL 32922 8. 9. STATEMENT AND SIGNATURE: attached copy is a true copy of the origin	B. Patent No.(s) Additional numbers attached? Total number of applications and patents involved: _one_ 7. Total Fee (37 CFR 3.41) \$40.00 X Enclosed Authorized to be charged to account Account No. To the best of my knowledge and belief, the foregoing information is true and correct and any				
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BRIANSTEIN

PAGE 0

Attorney Docker No. UCF-237

ASSIGNMENT

As a below named inventor of an invention or improvement entitled: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE, CRYSTAL SCINTILLATOR DETECTOR specification of which is filed herewith, and for which we have executed an application of r Letters Patent of the United States of American on even date herewith; and WHEREAS, CRYSTAL PHOTONICS, INC., a Florida corporation organized and existing under the laws of the State of Florida, having its principal office and place of business in the City of Sanford, State of Florida, is desirous f obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said CRYSTAL PHOTONICS, INC., its successor, logal representatives, and assigns, my entire right, titlo, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filled for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said CRYSTAL PHOTONICS, INC., its successors, logal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby further covenant and agree that I/we will communicate to said CRYSTAL PHOTONICS, INC., its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said CRYSTAL PHOTONICS, INC., its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

02/09/00

Date

VANCUANCI

Secretary or Confession of the Confession of the

APRIL 27, 2000

PTAS

BRIAN S. STEINBERGER, ESQ. 101 BREVARD AVE COCOA, IL 32922 *1012816913*

UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS Washington, D.C. 20231

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 02/17/2000

REEL/FRAME: 010571/0537

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHAI, BRUCE H. T.

DOC DATE: 02/09/2000

ASSIGNEE:

UNIVERSITY OF CENTRAL FLORIDA 4000 CENTRAL FLORIDA BLVD. ADM-243 ORLANDO, FLORIDA 32816

SERIAL NUMBER: 09506160

PATENT NUMBER:

FILING DATE: 02/17/2000

ISSUE DATE:

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

REC

03-02-2000



2/17/00



101281691 To the Honorable Commissioner of Patents and the sinal documents or copy thereof. 1. NAME OF CONVEYING PARTY(IES): NAME AND ADDRESS OF RECEIVING PARTY(IES). **BRUCE H. T. CHAI** UNIVERSITY OF CENTRAL FLORIDA ADM-243 4000 CENTRAL FLORIDA BLVD. ORLANDO FL 32816 Additional name(s) of conveying party(ies) Additional name(s) and address(es) attached? ____ Yes X No Yes X No 3. NATURE OF CONVEYANCE: **ASSIGNMENT** SECURITY **AGREEMENT** MERGER CHANGE OF NAME OTHER ____ **EXECUTION DATE:** IF THIS DOCUMENT IS BEING FILED TOGETHER WITH A NEW APPLICATION, THE EXECUTION DATE OF THE APPLICATION IS: 2/9/00 2/17/00 APPLICATION IS: ___ 2/17/00 A. Patent Application No.(s) B. Patent No.(s) Yes No Additional numbers attached? 6. Total number of applications and patents Name and address of party to whom correspondence concerning document involved: _one_ should be mailed: 7. Total Fee (37 CFR 3.41) \$40.00 Brian S. Steinberger, Esq. 101 Brevard Ave X Enclosed Cocoa, FL 32922 ___ Authorized to be charged to account 8. Account No. 9. STATEMENT AND SIGNATURE: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Total number of pages including cover sheet, attachments, and document: _TWO_

nature

BRIAN S.

ASSIGNMENT

As a below named inventor of an invention or improvement entitled: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR specification of which is filled herewith, and for which we have executed an application for Letters Patent I the United States of American on even date herewith; and WHEREAS, UNIVERSITY OF CENTRAL FLORIDA, a state university organized and existing under the laws of the State of Florida, having its principal office and place of business in the City I orlando, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said UNIVERSITY OF CENTRAL FLORIDA, its successor, legal representatives, and assigns, my entire right, title, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the Unites States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the Unites States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby further covenant and agree that I/we will communicate to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Date

BRUCE H.T. CHAI

ASSIGNMENT PO I OF I

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Honorable Commissioner of Patents and	Trademarks: Please record the attached original documents or copy thereof.
1. NAME OF CONVEYING PARTY(IES):	2. NAME AND ADDRESS OF RECEIVING PARTY(IES).
BRUCE II. T. CHAI	UNIVERSITY OF CENTRAL FLORIDA ADM-243 4000 CENTRAL FLORIDA BLVD. ORLANDO FL 32816
Additional name(s) of conveying party(ies) attached? Yes X No	Additional name(s) and address(es) attached? Yes X No
3. NATURE OF CONVEYANCE:	
SECUR AGREE MERGE CHANG	EMENT
EXECUTION DATE:	
APPLICATION IS: 2/9	ent No.(s)
	al numbers attached? Yes No
5. Name and address of party to whom correspondence concerning document should be mailed: Brian S. Steinberger, Esq. 101 Brevard Ave Cocoa, FL 32922	 6. Total number of applications and patents involved: _one_ 7. Total Fee (37 CFR 3.41) \$40.00 _X_ Enclosed Authorized to be charged to account
8. Accoun	
9. STATEMENT AND SIGNATURE: To the b attached copy is a true copy of the original docum	est of my knowledge and belief, the foregoing information is true and correct and any nent.
BRIAN S. STEINBERGER (Name of person signing) Signa	2/17/00 bate
Total number of pages including cover sheet, atta	schments, and document: TWO

Attorney Docket No. UCF-237

ASSIGNMENT

As a below named inventor of an invention or improvement entitled: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR specification of which is filed herewith, and for which we have executed an application for Letters Patent of the United States of American in even date herewith; and WHEREAS, UNIVERSITY OF CENTRAL PLORIDA, a state university organized and existing under the laws of the State of Flinds, having its principal office and place of business in the City of Orlando, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said UNIVERSITY OF CENTRAL FLORIDA, its successor, legal representatives, and assigns, my ontire right, title, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the Unites States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the Unites States of America, whose duty it is to issue patents on applications as aforesaid, to Issue all Letters Patent for said invention to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby further covenant and agree that I/we will communicate to said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said UNIVERSITY OF CENTRAL FLORIDA, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Date

BUCE HT CHAL